

JUN 1 9 2002

PTO/SB/08A (10-01)

TECH CENTER 1600/2900 PTO/SB/08A (10-01)
Approved for use through 10/31/2002. OMB 0651-0031
U. S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Redustation of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Complete if Known Substitute for form 1449A/PTO Application Number 10/082,902 February 26, 2002 INFORMATION DISCLOSURE Filing Date Dennis G. Ballinger First Named Inventor STATEMENT BY APPLICANT 1647 Art Unit (use as many sheets as necessary) Not Yet Assigned SAOUD Examiner Name 28110/35878A Attorney Docket Number of 2 Sheet 1

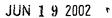
U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Refevant Passages or Relevant Figures Appear

	FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No.1	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Τ°		
CA	Α	-WO 00/15781-	03-23-2000					
CA	В	-WO 98/20032-	05-14-1998			L		

¹Applicant's unique citation designation number (optional). ² See attached Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the application number of the patent document. ⁶ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
xamiņer nitials	Cite No.1	o. numlisher. city and/or country where published.			
CA	С	CASCI et al., Sprouty, an Intracellular Inhibitor of Ras Signaling, Cell 96(5): 655-665 (March 1999).			
	D	de MAXIMY et al., Cloning and Expression Pattern of a Mouse Homologue of Drosophila Sprouty in the Mouse Embryo, Mechanisms of Development 81: 213-216 (1999).			
	E	HACOHEN et al., Sprouty Éncodes a Novel Antagonist of FGF Signaling that Patterns Apical Branching of the Drosophila Airways, Cell 92: 253-263 (January 23, 1998).			
	F	IMPAGNATIELLO et al., Mammalian Sprouty-1 and -2 Are Membrane-Anchored Phosphoprotein Inhibitors of Growth Factor Signaling in Endothelial Cells, The Journal of Cell Biology 152(5): 1087-1098 (March 5, 2001).			
	G	KRAMER et al., Sprouty: a Common Antagonist of FGF and EGF Signaling Pathways in Drosophila. Development 126: 2515-2525 (May 1999).			
	Н	LEE et al., Inhibition of Angiogenesis by a Mouse Sprouty Protein, The Journal of Biological Chemistry 276(6): 4128-4133 (February 9, 2001).			
	ı	METZGER et al., Genetic Control of Branching Morphogenesis, Science 284: 1635-1639 (June 4, 1999).			
	J	MINOWADA et al., Vertebrate Sprouty Genes are Induced by FGF Signaling and can Cause Chondrodysplasia When Overexpressed, Development 126: 4465-4475 (September 27, 1999).			
	K	PLACZEK and SKAER, Airway Patterning: A Paradigm for Restricted Signaling, Current Biology 9: R506-R510 (1990).			
	L	REICH et al., Sprouty is a General Inhibitor of Receptor Tyrosine Kinase Signaling, Development 126: 4139-4147 (August 23, 1999).			
1	М	TEFFT et al., Conserved Function of mSpry-2, a Murine Homolog of Drosophila Sprouty, Which Negatively Modulates Respiratory Organogenesis, Current Biology 9: 219-222 (1999).			
	N	WONG et al., Evidence for Direct Interaction Between Sprouty and Cbl, The Journal of Biological Chemistry 276(8): 5866-5875 (February 23, 2001).	L		
	0	LIM et al., Sprouty Proteins Are Targeted to Membrane Ruffles upon Growth Factor Receptor Tyrosine Kinase Activation, The Journal of Biological Chemistry 275(42): 32837-32845 (October 20, 2000).			

RECEIVED





TECH CENTER 1600/2900

Approved for use through 10/31/2002.0MB 0651.0031

U. S. Petent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Direct to coronal to a collection of information unless it contains a valid OMB control number.

Sul	bstitute for form 1449B/	7,1		Complete if Known		
				Application Number	10/082,902	
11	NFORMATIO	ON DISC	LOSURE	Filing Date	February 26, 2002	
S	TATEMEN"	T BY AP	PLICANT	First Named Inventor	Dennis G. Ballinger	
				Group Art Unit	1647	
	(use as many	sheets as nece	essary)	Examiner Name	Not Yet Assigned	
Sheet	2	of	2	Attorney Docket Number	28110/35878A	

P	SASAKI et al., Identification of a Dominant Negative Mutant of Sprouty That Potentiates	,
(A)	Fibroblast Growth Factor-but Not Epidermal Growth Factor-Induced ERK Activation, The	i I
	Journal of Biological Chemistry 276(39): 36804-36808 (September 28, 2001).	1 1
CHa	YIGZAW et al., The C Terminus of Sprouty Is Important for Modulation of Cellular Migration	
	and Proliferation, The Journal of Biological Chemistry 276(25): 22742-22747 (June 22, 2001).	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

^{&#}x27;Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

Jun. 13. 2002 2:51PM MARSHALL, GERSTEIN & BORUN

PTC/SB/08A (10-01)

Approved for use through 10/31/2002,0MB 0831-0031

U. S. Palent and Trademark Office; U.S. DEPARTMENT OF COMMERCE and to a callection of Information unless it contains a valid OMB control number.

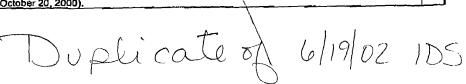
Under the Paperwork Reduction Act of 1995, no persons are required to re Complete If Known Substitute for form 1448A/PTO 10/082,902 Application Number February 26, 2002 INFORMATION DISCLOSURE Filhig Date Dennis G. Ballinger First Named Inventor STATEMENT BY APPLICANT 1647 Art Unil (use as many sheets as necessary) Not Yet Assigned Examinar Namo Attorney Docket Number 28110/35878A 2 Sheet of

		<u> </u>	U.S. PA	TENT DOCUMENTS	
Examiner initials	Cita No.1	Document Number Number-Kind Code [®] (Florown)	Publication Date MM-CD-YYYY	Name of Parentes of Applicant of Cited Document	Pages, Cotumes, Lines, Where Rolevant Pageages or Relevant Figures Appear

		FORE	IGN PATENT	DOCUMENTS		
Examiner Initials*	Cibe No.1	Foreign Palent Document Country Code*-Muraber*-Hand Code* (Mikmawn)	Publication Date	Name of Patentse or Applicant of Cited Document	Pagas, Columna, Unics, Where Relevant Passagas or Relevant Figures Appear	70
-	A	-WO 00/15781-	03-23-2000			\sqcup
	В	-WO 98/20032-	05-14-1998		<u> </u>	

¹Applicant's unique chatlon designation number (options), ²See attached kinds Codes of USPTO Patent Documents at <u>www.uspro.gov</u> or MPEP 901.04, ³ Enter Office that lessed the document, by the two-latter code (WIPO Standard ST.3). ⁷For Jepanese patent documents, the indicaton of the year of the reign of the Emperor must precede the application number of the potent document, ⁸Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST, 16 if possible, ⁸Applicant is to place a check mark here if English language Translation is strached.

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), data, page(s), volume-issue number(s), publisher, city and/or country where publisher.	72
	C	CASCI et al., Sprouty, an Intravallular Inhibitor of Res Signaling, Cell 96(5): 655-665 (March	L
· · · · · · · · · · · · · · · · · · ·	D	de MAXIMY et al., Cloning and Expression Pattern of a Mouse Homologue of Drosophila Sprouty in the Mouse Embryo, Mechanisms of Development 81: 213-216 (1999).	
	E	HACOHEN et al., Sprouty Encodes a Noval Antagonist of FGF Signaling that Patterns Apical Branching of the Drosophile Airways, Cell 92: 253-263 (January 23, 1998).	_
	F	IMPAGNATIELLO et at., Marrinalian Sprouty-1 and -2 Are Membrane-Anchored Phosphoprotein Inhibitors of Growth Factor Signaling in Endothelial Cells, The Journal of Cell Biology 152(5): 1087-1098 (March 5 2001).	
	G	KRAMER et al., Sprouty; a Common Antagonist of FGF and EGF Signaling Pathways in Drosophila, Development 128: 2515-2525 (May 1999).	_
	Н	LEE et al., Inhibition of Anglogenesis by a Mouse Sprouty Protein, The Journal of Biological Chemistry 276(6): 4128-4133 (February 9, 2001).	L
	,	METZGER et al., Genetic Control of Branching Morphogenesis, Science 284; 1635-1639	
	J	MINOWADA et al., Vertabrata Sprouty Genes are Induced by FGF Signaling and can Cause Chondrodysplasia When Overexpressed, Development 126: 4485-4475 (September 27, 1999).	
	K	PLACZEK and SKAER, Airway Patterning: A Paradigm for Restricted Signaling, Current Biology 9: R506-R510 (1990).	
	<u> </u>	REICH et al., Sprouty is a General Inhibitor of Receptor Tyrosine Kinase Signaling,	
	М	TEFFT et al., Conserved Function of mSpry-2, a Murine Homolog of Drosophila Sprouty, Which Negetively Modulates Respiratory Organogenesis, Current Biology 9: 218-222 (1999).	
	N	WONG et al., Evidence for Direct Interaction Between Sprouty and Cbl, The Journal of Biological Chemistry 276(8): 5866-5875 (February 23, 2001).	
	0	LIM et al., Sprouty Proteins Are Targeted to Membrahe Ruffles upon Growth Factor Receptor Tyrosine Kinase Activation, The Journal of Biological Chemistry 275(42): 32837-32845 (October 20, 2000).	



PTC/SB/08B (10-01)
Approved for use through 10/31/2002/0MB 0851-0031
U. S. Patent and Trademerk Office: U.S. DEPARTMENT OF COMMERCE and to a collection of information unless it contains a valid OMB control number. Under the Paperwork Reduction Act of 1995, no persons are required to Complete if Known Substitute for form 1449B/PTO Application Number 10/082,902 INFORMATION DISCLOSURE Filing Date February 26, 2002 STATEMENT BY APPLICANT First Named Inventor Dennis G. Ballinger Group Art Unit (use as many sheets as necessary) Examiner Name Not Yet Assigned 28110/35878A Sheet Attorney Docket Number

	SASAKI et al., Identification of a Dominant Negative Mutant of Sprouty That Potentiales Fibroblast Growth Factor-but Not Epidermal Growth Factor-induced ERK Activation, The Journal of Biological Chemistry 276(39): 36804-36808 (September 28, 2001).	
	YIGZAW et al., The C Terminus of Sprouty is Important for Modulation of Cellular Migration and Proliferation, The Journal of Biological Chemistry 276(25): 22742-22747 (June 22, 2001).	

Examiner	Date
Signature	Considered

^{*}EXAMINER: Initial If reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Duplicate of 6/19/02 1DS

^{&#}x27;Applicant's unique citation designation number (optional). *Applicant is to place a check mark here it English language Transfetion is attached.